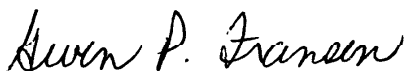


A. Permit Certificate

**MUNICIPAL  
WASTEWATER-LAND APPLICATION PERMIT  
LA-000006-03**

Kootenai School District #274-B, LOCATED AT 13030  
E. Ogara Road, Harrison, ID 83833 AND IN  
Township(s) 47N, Range(s) 03W, Section(s) 25 IS  
HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND  
OPERATE A WASTEWATER-LAND APPLICATION TREATMENT  
SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND  
APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY  
STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS  
(IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA  
58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND  
REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM  
THE DATE OF SIGNATURE AND EXPIRES  
AUGUST 13, 2008.



Gwen P. Fransen  
Coeur d'Alene Office Regional Administrator  
Idaho Department of Environmental Quality

Signed this 13 day of August, 2003

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
2100 Ironwood Parkway  
Coeur d'Alene, ID 83814  
(208) 769-1422  
(208) 769-1404 (FAX)**

**POSTING ON SITE RECOMMENDED**

## B. Permit Contents

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### Appendices

1. Environmental Monitoring Serial Numbers	18
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### References

1. Plan of Operation (Operation and Maintenance Manual)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000006-03 and are enforceable as such. This permit does not relieve Kootenai School District, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

## C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. <i>Permit Limits and Conditions</i> .
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. <i>Permit Limits and Conditions</i> .
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	<p>Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: <a href="http://www.kimberly.uidaho.edu/water/appndxet/index.shtml">http://www.kimberly.uidaho.edu/water/appndxet/index.shtml</a>. The equation used to calculate the IWR at this website is:</p> $IWR = (CU - P_e) / E_i$ <p>CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration</p> <p><math>P_e</math> is the effective precipitation. CU minus <math>P_e</math> is synonymous with the net irrigation requirement (IR)</p> <p><math>E_i</math> is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.</p>
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water

### C. Abbreviations, Definitions

TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 <i>Water Quality Standards and Wastewater Treatment Requirements</i>
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

## D. Facility Information

<b>Legal Name of Permittee</b>	Kootenai School District # 274
<b>Type of Wastewater</b>	Municipal Wastewater
<b>Method of Treatment</b>	Slow Rate
<b>Type of Facility</b>	Municipal
<b>Facility Location</b>	Harrison
<b>Legal Location</b>	T47N, R03W, Parts of Section 23 and 25
<b>County</b>	Kootenai
<b>USGS Quad</b>	Black Lake
<b>Soils on Site</b>	Santa Silty Loam
<b>Depth to Ground Water</b>	Approximately 40 feet
<b>Beneficial Uses of Ground Water</b>	Drinking water
<b>Nearest Surface Water</b>	Ephemeral Stream
<b>Beneficial Uses of Surface Water</b>	Primary and secondary contact, cold water biota
<b>Responsible Official Mailing Address</b>	Ron Hill, Superintendent Kootenai School District #274-B 13030 E. Ogara Road Harrison, ID 83833
<b>Phone / Fax</b>	(208) 689-3311
<b>Facility Consultants Mailing Address</b>	Richard Stephenson, Maintenance Manager Kootenai School District #274-B 13030 E Ogara Road Harrison, ID 83833
<b>Phone / Fax</b>	(208) 689-3311

## E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description			
CA-006-01  Prior to applying wastewater at site in 2004	Develop a plan of operation based upon information supplied in this permit which will guide the application of wastes to the land application site until a completed seepage test outline in CA-006-03 has been submitted and the activity CA-006-02 may be completed. The wastewater shall be applied during the application season of 2004 based upon the following agronomic limits:			
	Month	IWR (MG)	Gal/day	Inches/week
	April	0.10	3478	0.51
	May	0.19	6235	0.92
	June	0.24	8127	1.20
	July	0.40	12778	1.89
	August	0.29	9440	1.40
	September	0.18	5991	0.88
	October	0.02	603	0.089
CA-006-02  Twelve (12) Months after Permit Approval Date	A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance.  Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.			
CA-006-03  Six (6) Months after Permit Approval Date	Conduct seepage testing in accordance with DEQ uniform seepage test procedures or a method approved by the DEQ for the wastewater lagoon. Please refer to seepage testing guidance at:  <a href="http://www2.state.id.us/deq/water/wastewater/Lagoon_Seepage_Guidance.pdf">http://www2.state.id.us/deq/water/wastewater/Lagoon_Seepage_Guidance.pdf</a>  If the lagoons exceed seepage rate criteria of 1/8”/day or result in surface or ground water quality violations, the permittee shall submit a plan and schedule, for DEQ review and approval, to either repair or replace the lagoon(s).			

### E. Compliance Schedule for Required Activities

<b>Compliance Activity Number Completion Date</b>	<b>Compliance Activity Description</b>
<b>CA-006-04</b>  Prior to applying wastewater at site for 2004	Install a flow meter on the effluent distribution line to determine actual volume of wastewater effluent applied to the land application site
<b>CA-006-05</b>  Prior to applying wastewater at site for 2004	Increase the application area to not less than 1.74 acres. If lagoon becomes lined, the application area may need to be increased further to process the enlarged volume of wastewater treated.
<b>CA-006-06</b>  Prior to applying wastewater at site for 2004	Repair or replace chlorination system for more uniform mixing and application of chlorine to the wastewater effluent stream. If chlorination system is replaced, plans and specifications shall be submitted to DEQ prior to construction.
<b>CA-006-07</b>  Prior to allowing any grazing on the site	Submit to DEQ for review and approval a "Grazing Plan" developed in accordance with the DEQ guidance on grazing dated January 18, 2002 (found on the DEQ Internet Site: <a href="http://www.deq.state.id.us/water/wastewater/guidance_wlap.htm">http://www.deq.state.id.us/water/wastewater/guidance_wlap.htm</a> )
<b>CA-006-08</b>  Six (6) Months after Permit Approval Date	Submit to DEQ the "Site Maps" referenced in Appendix 2 of the WLAP.

## F. Permit Limits and Conditions

- 1) The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions			
<b>Type of Wastewater</b>	Municipal Wastewater			
<b>Application Site Area</b>	Minimum acreage - 1.74			
<b>Application Season</b>	April 1 – October 31 (214 days)			
<b>Growing Season (GS)</b>	April 1 – October 31			
<b>Non-Growing Season (NGS)</b>	Not Applicable			
<b>Supervision</b>	Richard Stephenson			
<b>Reporting Year for Annual Loading Rates</b>	November 1 – October 31			
<b>Maximum Hydraulic Loading Rate, Growing Season (includes wastewater and supplemental irrigation water, if used)</b>	Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: <a href="http://www.kimberly.uidaho.edu/water/appndxet/index.shtml">http://www.kimberly.uidaho.edu/water/appndxet/index.shtml</a> . IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency.			
	Month	IWR (MG)	Gallons/day	Inches/Week
	April	0.10	3478	0.51
	May	0.19	6235	0.92
	June	0.24	8127	1.20
	July	0.40	12778	1.89
	August	0.29	9440	1.40
	September	0.18	5991	0.88
	October	0.02	603	0.89
	In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.			
<b>Maximum Hydraulic Loading Rate, Non-Growing Season</b>	Not Allowed			
<b>No Runoff</b>	No runoff is allowed from any site or fields used for wastewater land application except after a 25-year, 24-hour storm event or greater using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 “Isopluvials of 25-YR, 24-HR Precipitation”. For this site, the 25-year, 24-hour event is 3.0 inches, calculated from the Isopluvials map.			



## F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
<b>Ground Water Quality</b>	Ground Water Quality shall be in compliance with <i>Idaho Ground Water Quality Rule</i> IDAPA 58.01.11
<b>Maximum Nitrogen Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).</b>	150% of typical crop uptake (see definition), or UI Fertility Guide
<b>Maximum Phosphorus Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).</b>	None.  DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.
<b>Coliform Limit Levels</b>	The coliform limit shall be set at 23/100 ml, which shall be a median value of at least five (5) result that do not have any values which exceed 240/100 ml.
<b>Construction Plans</b>	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
<b>Grazing</b>	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site.
<b>Allowable crops</b>	Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed.
<b>Fencing and Posting</b>	Based on a total coliform limit of 23/100 ml., woven pasture fence or equivalent is required around the site. Signs shall be posted every 500 feet and at every corner of the perimeter designating the fields as "Irrigated with wastewater" or equivalent. (see "WLAP Guidance")
<b>Supplemental Irrigation Water Protection</b>	For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices are required.
<b>Odor Management</b>	The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors.

## F. Permit Limits and Conditions

<b>Buffer Zone Distances (based on sprinkler irrigation)</b>	<b>Disinfection Level* (total coliform)</b>	<b>Distance to Public Access</b>	<b>Distances to Inhabited Dwellings</b>	<b>Distance to streams</b>	<b>Distance to private water sources</b>	<b>Distance to public water sources</b>	<b>Single sample maximum total coliform level</b>
	2.2 /100 ml	0 feet	100 feet	100 feet	500	1000	23/100 ml
	23/100 ml	50 feet	300 feet	100 feet	500	1000	240/100ml
	230/100ml	300 feet	1,000 feet	100 feet	500	1000	2400/100ml

\*Compliance determination method for disinfection requirements is as follows:

- For determining compliance with the 2.2 / 100 ml disinfection level, the median value of the last five (5) results must not exceed 2.2 / 100 ml. In addition, no single sample value shall exceed 23 / 100 ml.
- For determining compliance with the 23 / 100 ml disinfection level, the median value of the last five (5) results must not exceed 23 / 100 ml. In addition, no single sample value shall exceed 240 / 100 ml.
- For determining compliance with the 230 / 100 ml disinfection level, the median value of the last three (3) results must not exceed 230 / 100 ml. In addition, no single sample value shall exceed 2400 / 100 ml.

### Specific Limits for LA-000006-03

1. No wastewater land application is allowed when surface water flows are occurring in ephemeral streams on land application area.

## G. Monitoring Requirements

- 1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
- 2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
- 3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
- 4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
- 5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
- 6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.
- 7) Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches and one for 24-36 inches for each soil management unit.
- 8) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements of at least two of pH, specific conductance and temperature meet the following conditions: successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval.
- 9) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
- 10) Surface water sampling guidance: DEQ to review and approve methods, timing and locations for sampling prior to initial sampling event.

## G. Monitoring Requirements

**Facility Monitoring Table**

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily (when land applying)	Discharge Point of Wastewater to Land Application (Flow Meter)	Volume of Wastewater land applied	Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Weekly (when land applying) - <u>For total coliform monitoring level 23 / 100 ml.</u>	Discharge Point of Wastewater to Land Application	grab sample	Total Coliform
Monthly (when land applying)	Discharge Point of Wastewater to Land Application	grab sample	Total Kjeldahl nitrogen, nitrate+nitrite-nitrogen, TDS, total phosphorus in milligrams per liter (mg/l) and pH
Annually	Hydraulic management unit	Acres used for land application	Acres
Annually	Hydraulic management unit	Calculate and Report total nitrogen and phosphorus loading calculation from wastewater	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Hydraulic management unit	Crop Yield Calculation and Crop Type	tons/acre, lbs/acre, or bushels/acre
Annually	Soil Monitoring unit	Composite soil sample	Electrical Conductivity, nitrate-N, ammonium-N, pH, Plant available phosphorous – (use Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5)
Annually	Hydraulic management unit	Crop Nutrient Uptake from Crop Tissue Analysis or from standard tables for Crop Type and yield.	Nitrogen and phosphorus uptake in lbs/acre-year

## G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	Hydraulic management unit	Calculate Irrigation Water Requirement for Crop Grown	Volume (inches / acre and total gallons) for each month for GS.
Annually	Each HMU	Calculate GS wastewater loading rate	Million gallons & Inches/GS
Twice per year (June and Oct)	Nearest Surface Water – DEQ shall review and approve locations prior to initial sampling event.	Grab samples of surface water upstream and downstream from land application site.	Nitrate + Nitrite Nitrogen, Total Phosphorous, Chloride, Electrical conductivity, E. coli
April (in first and last years of permit only).	Private wells within 500 feet and public wells within 1,000 feet of land application site. Show locations on map.	Grab sample from domestic and municipal wells (with well owner's permission. See note 8).	Chloride, Electrical Conductivity, Total Dissolved Solids (TDS), Nitrite + Nitrate Nitrogen, static water level, calcium, magnesium, sodium, potassium, bicarbonate, sulfate.

## H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year from January 1 through December 31. The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.
3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office  
1445 N. Orchard  
Boise, ID 83706-2239  
208-373-550

Coeur d'Alene Regional Office  
2110 Ironwood Parkway  
Coeur d'Alene, ID 83814  
208-769-1422

Idaho Falls Regional Office  
900 N. Skyline, Suite B  
Idaho Falls, ID 83402  
208-528-2650

Lewiston Regional Office  
1118 "F" Street  
Lewiston, ID 83501  
208-799-4370

Pocatello Regional Office  
444 Hospital Way, #300  
Pocatello, ID 83201  
208-236-6160

Twin Falls Regional Office  
601 Pole Line Road, Suite 2  
Twin Falls, ID 83301  
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.  
Wastewater Program Manager  
1410 N. Hilton  
Boise, ID 83706  
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.
5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

## I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
  - a. Apply wastewater as evenly as practicable to the treatment area;
  - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
  - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall:
  - a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
  - b. Not hydraulically overload any particular areas of the wastewater land application treatment site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
  - a. Enter the permitted facility,
  - b. Inspect any records that must be kept under the conditions of the permit.
  - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
  - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
  - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
  - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
  - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page  
Emergency 24 Hour Number 1-800-632-8000

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## I. Standard Permit Conditions: Procedures and Reporting

- d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
  - i. A description of the non-compliance and its cause;
  - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
  - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
- e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
- 9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
- 10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.



## J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code § 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23..
9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

# Appendix 1

## Environmental Monitoring Serial Numbers

### HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-0006	Application Site	1.74

### WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-0006	At chlorination pond before application field

### SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-0006	Application field	MU-000601

### GROUND WATER MONITORING

Serial Number	Description
GW-0006-1,2...	Private wells within 500' and public wells within 1,000'

### SURFACE WATER MONITORING

Serial Number	Description
SW-0006-1	Upstream site of closest surface water not on site
SW-0006-2	Downstream site of closest surface water not on site

## Appendix 2

### Site Maps

**Site Maps shall be supplied by the permittee and shall include at a minimum all requirements of IDAPA 58.01.17.300.05.e through f.**

#### **Site Map No. 1**

**Attach map showing general locations (property boundaries) of municipal plant and WLAP site. Include Township(s), Range(s), Section(s).**

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## Appendix 2

### Site Maps

#### Site Map No. 2

**Attach detailed map that shows the following:**

- **All Hydraulic Management Units. Include MU serial #'s**
- **All Soil Monitoring Units. Include SU serial #'s**
- **All lagoons/storage ponds. Include serial #'s**
- **All Wastewater and Supplemental Irrigation distribution systems for the WLAP site including sumps, pipelines, ditches, irrigation diversions, irrigation systems (pivots, wheel lines, etc.), tailwater collection systems, and any other item of relevance.**

## Appendix 2

### Site Maps

#### Site Map No. 3

**Attach detailed map showing location of:**

- **All monitoring wells used for permit compliance (may include domestic wells if used for groundwater monitoring compliance).**
- **All public and private drinking water supply sources within ¼ mile of WLAP site.**
- **All springs, wetlands, and surface waters within ¼ mile of WLAP site.**
- **Groundwater contours & direction of flow (include additional map(s) if flow direction changes seasonally)**

## Appendix 2

### Site Maps

#### Site Map No. 4

**Attach map showing location of:**

- **All dwellings within  $\frac{1}{4}$  mile of WLAP site.**
- **All public and private gathering places within  $\frac{1}{4}$  mile of WLAP site**
- **All public roads within  $\frac{1}{4}$  mile of WLAP site**